



# LES 02 EA

## Instructions and Supporting Materials

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### Introduction

DEP *Permit Applications*, as well as *Instructions & Support Materials*, are available for download from the DEP Web site at [mass.gov/dep](http://mass.gov/dep) in two file formats: Microsoft Word® and Adobe Acrobat PDF®. Either format allows documents to be printed.

*Instructions & Support Materials* files in Microsoft Word® format contain a series of documents that provide guidance on how to prepare a permit application. Although we recommend that you print out the entire package, you may choose to print specific documents by selecting the appropriate page numbers for printing.

*Permit Applications* in Microsoft Word® format must be downloaded separately. Users with Microsoft Word® 97 or later may complete these forms electronically.

Permitting packages in Adobe Acrobat PDF® format combine *Permit Applications* and *Instructions & Support Materials* in a single document. Adobe Acrobat PDF® files may only be viewed and printed without alteration. *Permit Applications* in this format may not be completed electronically.



## Massachusetts Department of Environmental Protection

# LES 02 EA

## Permit Fact Sheet

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### 1. What is the purpose of this permit?

Certification and operation of environmental analysis laboratories is authorized pursuant to MGL c. 21, s.27, c. 21A, s. 2(28), c 21C, s. 4, c. 21E, s. 3, c. 111 § 142A-142E, 150A, 160 and 310 CMR 42.00.

These regulations establish a program for Department certification of laboratories to conduct analytical measurements for purposes of determining compliance with Department standards where the Department requires such measurements be conducted by a certified laboratory.

A program for the certification of laboratories conducting analytical measurements of drinking water is necessary for Massachusetts to meet the requirements of primary enforcement responsibility under the Safe Drinking Water Act and the National Primary Drinking Water Regulations. Massachusetts also certifies laboratories analyzing non-potable water. The laboratory certification program identifies laboratories capable of consistently producing valid data (although certification does not guarantee the validity of the data).

### 2. Who must apply?

Any person (private corporation, individual, partnership or association, or other entity) who intends on conducting analytical measurements for the purposes of determining compliance with Department standards where the Department requires such measurements be conducted by a certified laboratory.

### 3. What other requirements should be considered when applying for this permit?

#### a. What prerequisites should be considered before applying for this permit?

None.

#### b. What additional technical information must be provided to apply for this permit?

1. Results of Proficiency Tests (PTs) performed by the laboratory must be submitted by the laboratory's PT Provider in accordance with the current Wall Experiment Station PT Policy.
2. Laboratory Quality Assurance Plan.
3. A laboratory located out-of-state and which is seeking certification under 310 CMR 42.16 must submit a copy of the certificate and certified parameter list issued by its resident state or the USEPA and a copy of the on-site inspection report written by the certifying authority of the laboratory's resident state or the USEPA.

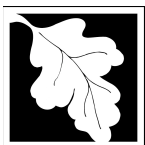
### 4. How should one apply for the permit?

To apply for any permit, an applicant must complete, sign and submit:

- A. a DEP Transmittal Form for Permit Application and Payment and
- B. a DEP application form for the appropriate permit category.

The Transmittal form is a three-part form with a transmittal number unique to each application package submitted. The Transmittal Form must be submitted as follows:

1. One copy accompanies the permit application sent to the DEP Primary Permitting Location indicated below.
2. One copy accompanies payment which is sent to the DEP post office box as explained in Question 6 below.
3. One copy for applicant's records.



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All additional information, as defined in Question 3b above and identified in the Application Completeness checklist, included in this application package, must be submitted with one copy of the transmittal form for the application to be processed properly.

### PRIMARY PERMIT LOCATION

Director, Laboratory Approval Program  
Massachusetts Department of Environmental Protection  
Wall Experiment Station  
37 Shattuck Street  
Lawrence, MA 01843

### 5. What is the fee for this permit?

An application charge of \$860.00 \* plus an additional amount for each certified testing category included in the application, in the amount set forth below, must be submitted at the time of application:

Adipate/Phthalates	\$ 75	Alkalinity, Total	\$ 35
Ammonia-N	\$ 60	Asbestos	\$ 75
Biochemical Oxygen Demand	\$ 45	Calcium	\$ 55
Carbamates	\$ 75	Cesium 134 & 137	\$ 50
Chemical Oxygen Demand	\$ 30	Chloride	\$ 30
Chlorine, Residual	\$ 30	Cobalt 60	\$ 60
Cyanide	\$ 75	EDB and DBCP	\$ 60
Fluoride	\$ 55	Gross Alpha/Gross Beta	\$ 40
Hardness, Total	\$ 30	Herbicides	\$ 90
Iodine 131	\$ 50	Kjeldahl-N	\$ 60
Magnesium	\$ 45	Metals	\$190
Nitrate-N	\$ 55	Nitrite-N	\$ 45
Oil and Grease	\$ 45	Orthophosphate	\$ 60
PCBs (potable water)	\$ 90	PCBs (Oil)	\$ 90
PCBs (non-potable water)	\$ 90	pH	\$ 15
Pesticides (potable water)	\$ 90	Phenolics, Total	\$ 45
Pesticides (non-potable water)	\$ 90	Phosphorus, Total	\$ 60
Polynuclear Aromatic		Potassium	\$ 45
Hydrocarbons	\$ 90	Radium 226 & 228	\$ 50
Residue, Non-Filterable	\$ 30	Ruthenium 106	\$ 50
Sodium	\$ 55	Solids, Total Dissolved	\$ 35
Strontium 89 & 90	\$ 60	Sulfate	\$ 45
Specific Conductivity	\$ 30	Total Organic Carbon	\$ 30
Trihalomethanes	\$ 60	Tritium	\$ 50
Turbidity	\$ 30	Uranium	\$ 50
Volatile Organic Compounds	\$ 115		

\* When an out of state inspection of a laboratory is necessary, applicants shall be charged for on-site inspection where costs are reasonably expected to exceed \$100 including necessary costs of travel, meals, and lodging, at the rate established for state employees, as determined by the Department.

### 6. How and when do I pay?

Payment should be made only by check made payable to the: **Commonwealth of Massachusetts**. One copy of the transmittal form must accompany the check and be forwarded to the following address:



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Massachusetts Department of Environmental Protection

P.O. Box 4062

Boston, MA 02211

Pursuant to 310 CMR 4.02 the following entities are exempt from these fees; any city, town, county, or district of the Commonwealth or any municipal housing authority. Applications for permits made by another state agency which cost \$100 or less are exempt from payment.

### 7. When will I get the permit?

If your application is administratively complete when first submitted, and if the information you provide is technically sufficient, DEP must provide a decision on the permit by the end of the timelines for the administrative review, the technical review and any public comment review that may be required. DEP must refund the fee if it cannot issue its decision within the required time period.

It is in the best interest of the applicant to submit a complete, thorough and accurate application. If the application has administrative deficiencies or technical deficiencies, a second review period will be required for each, thereby extending the timeframe for a final decision on the permit application. Further information on timelines is presented in questions 8, 9 and 10.

### 8. When does the timeline begin?

The timeline begins on the day following the receipt of a payment and an application, whichever is later. The schedule for timely action will be suspended if there is a failure of payment for any reason following the recording date. DEP will inform you of the timelines and the name and telephone number of the individual who will be handling your application.

### 9. What are the timelines for permit review?

Schedules for timely action vary for each permit, but all will include some combination of the following review periods:

**Administrative Completeness Review (AC)** - to determine whether all required elements of the application have been provided by the applicant. The Department may request additional information during the review. An initial administrative completeness review will result in:

- a determination of administrative completeness, or
- a statement of administrative deficiencies.

If necessary, a second administrative completeness review will be conducted. After the applicant responds to the statement of deficiencies, the second AC review period will be the same number of days allowed in the first AC review period. The result of the second review will be:

- a determination of administrative completeness, or
- a denial of the permit application.

**Technical Review (T1)** - to review the merits of the permit application and supporting materials. More information may be requested without stopping the clock during a technical review. The result of an initial technical review is:

- a decision to grant or deny the permit, or
- a statement identifying technical or other substantive deficiencies in the application process, or
- a decision to conduct an on-site inspection of the laboratory.



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An applicant may decline to provide additional information in response to a statement of technical deficiency and obtain a decision by DEP based on the record at the time. If this option is chosen, there will be no supplemental technical review.

**Note:** A failure to respond to a statement of technical deficiency within the time allowed by the Department will result in a permit denial with no refund.

**Supplemental Technical Review (T2)** - to review the merits of the permit application and supporting materials as supplemented, modified, or amended as a result of a deficiency in T1. A supplemental technical review may be required if DEP would otherwise deny or substantially modify or restrict the certificate based on the available information. Additional information may be requested during the review, but the clock will not stop. A supplemental technical review will result in:

- a decision to grant or deny the permit, or
- an on-site inspection.

**On-Site Inspection and Post Inspection Review** - to conduct an on-site inspection of the facilities to determine whether the laboratory satisfies the Department's standards for certification. An on-site laboratory inspection and post inspection review will result in:

- a statement identifying deficiencies, if any, identified during the on-site or post inspection review, and
- a decision to grant or deny the permit.

**Supplemental Inspection Review** - to review the merits of the on-site inspection and supporting materials as supplemented, modified, or amended. Additional information may be requested during the review, but the clock will not stop. A supplemental inspection review will result in:

- a decision to grant or deny the permit.

A decision to grant or deny a permit following the inspection review period is subject to appeal.

The timelines for this permit are:

	AC	T1	T2	IR1	IR2
LES 02 EA	45	60	60	100	100

### 10. What if DEP does not complete its work before the timeline expires?

Generally, if the permit is not ruled on by the final deadline, DEP will refund the fee and continue the process. Approval does not depend on adherence to the timelines by DEP, nor is a permit considered to be granted if the timelines are not met. This refund system is intended to demonstrate the good faith efforts of DEP to increase efficiency while continuing to protect the environment. Please be advised the timelines may be affected by provisions in the regulations including but not limited to failure of payment, other agency actions and judicial and enforcement proceedings. Please refer to the regulations for more detail.

### 11. What if my application is withdrawn?

If an applicant withdraws an application before the beginning of the technical review, 50% of the fee will be refunded. If the applicant withdraws at any time after the technical review begins, none of the fee will be refunded. Should the applicant wish to change the application by adding or subtracting categories in which certification is sought, a new application will need to be filled out if the changes are significant. The fee for the first application will be refunded and will not apply to the new application.



**12. What is the purpose of the annual compliance assurance fee for this permit?**

Compliance assurance fees, which are paid annually for certain DEP permits are designed to provide adequate resources for enforcement, inspection and monitoring programs. These resources are essential to the improvement and effective maintenance of these programs. Without assured compliance, some members of the regulated community will continue to violate environmental laws and regulations, while honest members will be placed at a competitive disadvantage.

Generally, no annual compliance assurance fee shall be assessed for a permit in the same fiscal year in which the permit is issued. Please consult 310 CMR 4.03 of the fees regulations for further information.

**13. What is the annual compliance assurance fee?**

Current annual compliance fees can be found on the DEP Website at [www.mass.gov/dep/files/permits/fees.htm](http://www.mass.gov/dep/files/permits/fees.htm)

**14. How long is the permit in effect?**

According to 310 CMR 42.09 (2), certificates shall be valid for one year unless earlier downgraded or revoked in accordance with 310 CMR 42.12.

**15. What can I do to avoid the most common mistakes made in applying for this permit?**

- a. Make sure the application form is completed with all requested information especially with regard to personnel qualifications.
- b. Submit all requested materials including the laboratory quality assurance plan.
- c. Make sure the proper, approved methods are listed and performed by the laboratory for the matrix in which certification is requested, e.g., drinking water methods for certification in the potable water category.
- d. Keep all application materials up to date by notifying the Massachusetts DEP of any changes in the application including any changes in personnel. Submit new Proficiency Test Study results as they become available. Laboratories located outside Massachusetts should provide copies of updated certificates and certified parameter lists as issued by the laboratory's resident state or the USEPA.

**16. Where can I get copies of the regulations that apply to this permit?**

These regulations include, but are not limited to:

- a. Certification and Operation of Environmental Analysis Laboratories, 310 CMR 42.00.
- b. Timely Action and Fee Provisions, 310 CMR 4.00.
- c. Administrative Penalty Regulations, 310 CMR 5.00

They may be purchased at:

**State House Bookstore  
Room 116  
Boston, MA 02133  
617-727-2834**

**State House West Bookstore  
436 Dwight Street  
Springfield, MA 01103  
413-784-1376**



## **LES 02 EA Initial Certification for Chemical Laboratory Application Completeness Checklist**

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- ☐ An original DEP Transmittal Form for Permit Application and Payment is completed and attached.
- ☐ A DEP application form for the chemical laboratory permit category (LES02EA) and the supplemental form to LES02EA, are properly filled out.
- ☐ Results of Proficiency Test studies must be submitted by the laboratory's PT Provider at the same time that study results are released to the laboratory. (See the current WES PT Policy).
- ☐ A copy of the Laboratory Quality Assurance Plan is submitted.
- ☐ For laboratories located out-of-state, a copy of the certificate and certified parameter list issued by its resident state or the USEPA must be submitted.
- ☐ For laboratories located out-of-state, a copy of the on-site inspection report written by the certifying authority of the laboratory's resident state or the USEPA must be submitted.

To submit the application package:

- ☐ Checklist items above must be completed.
- ☐ Send a copy of the application package along with one copy of the DEP Transmittal Form to:

Director, Laboratory Approval Program  
Massachusetts Department of Environmental Protection  
Wall Experiment Station  
37 Shattuck Street  
Lawrence, MA 01843

- ☐ Send one copy of the DEP Transmittal Form along with the fee payment (\$860.00 plus an amount for each certified testing category) to:

Massachusetts Department of Environmental Protection  
P.O. Box 4062  
Boston, MA 02211



## Massachusetts Department of Environmental Protection

# Addresses and Phone Numbers

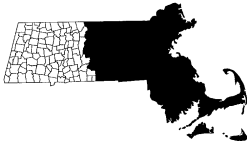
DEP Boston  
One Winter Street  
Boston, MA 02108  
Telephone: (617) 292-5500  
Fax: (617) 556-1049  
TDD: (617) 574-6868

William X. Wall Experiment Station  
37 Shattuck Street  
Lawrence, MA 01843  
Fax: (978) 688-0352  
*Division of Environmental Analysis*  
Telephone: (978) 682-5237  
*Air Quality Surveillance*  
Telephone: (978) 975-1138

Office of Watershed  
Management  
627 Main Street  
Worcester, MA 01608  
Telephone: (508) 792-7470  
Fax: (508) 839-3469

Millbury Training Center  
Route 20 Millbury, MA 01527  
Telephone: (508) 368-5600  
Fax: (508) 755-9253  
*Residuals Sludge Management*  
Telephone: (508) 368-5606  
*WWT Operator Certification*  
Telephone: (508) 368-5698

DEP Western Region  
436 Dwight Street  
Suite 402  
Springfield, MA 01103  
Phone: (413) 784-1100  
Fax: (413) 784-1149



Adams  
Agawam  
Alford  
Amherst  
Ashfield  
Becket  
Belchertown  
Bernardston  
Blandford  
Brimfield  
Buckland  
Charlemont  
Cheshire  
Chester  
Chesterfield  
Chicopee  
Clarksburg

Colrain  
Conway  
Cummington  
Dalton  
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Easthampton  
East Longmeadow  
Egremont  
Erving  
Florida  
Gill  
Goshen  
Granby  
Granville  
Great Barrington  
Greenfield  
Hadley

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Hancock  
Hatfield  
Hawley  
Heath  
Hinsdale  
Holland  
Holyoke  
Huntington  
Lanesborough  
Lee  
Lenox  
Leverett  
Leyden  
Longmeadow  
Ludlow  
Middlefield

Monroe  
Montague  
Monterey  
Montgomery  
Monson  
Mount Washington  
New Ashford  
New Marlborough  
New Salem  
North Adams  
Northampton  
Northfield  
Orange  
Otis  
Palmer  
Pelham  
Peru

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Plainfield  
Richmond  
Rowe  
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Sandisfield  
Savoy  
Sheffield  
Shelburne  
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Southampton  
South Hadley  
Southwick  
Springfield  
Stockbridge  
Sunderland  
Tolland

Tyringham  
Wales  
Ware  
Warwick  
Washington  
Wendell  
Westfield  
Westhampton  
West Springfield  
West Stockbridge  
Whately  
Wilbraham  
Williamsburg  
Williamstown  
Windsor  
Worthington

DEP Central Region  
627 Main Street  
Worcester, MA 01608  
Phone: (508) 792-7650  
Fax: (508) 792-7621  
TDD: (508) 767-2788



Acton  
Ashburnham  
Ashby  
Athol  
Auburn  
Ayer  
Barre  
Bellingham  
Berlin  
Blackstone  
Bolton  
Boxborough  
Boylston  
Brookfield

Charlton  
Clinton  
Douglas  
Dudley  
Dunstable  
East Brookfield  
Fitchburg  
Gardner  
Grafton  
Groton  
Harvard  
Hardwick  
Holden  
Hopedale

Hopkinton  
Hubbardston  
Hudson  
Holliston  
Lancaster  
Leicester  
Leominster  
Littleton  
Lunenburg  
Marlborough  
Maynard  
Medway  
Mendon  
Milford

Millbury  
Millville  
New Braintree  
Northborough  
Northbridge  
North Brookfield  
Oakham  
Oxford  
Paxton  
Pepperell  
Petersham  
Phillipston  
Princeton  
Royalston

Rutland  
Shirley  
Shrewsbury  
Southborough  
Southbridge  
Spencer  
Sterling  
Stow  
Sturbridge  
Sutton  
Templeton  
Townsend  
Tyngsborough  
Upton

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Warren  
Webster  
Westborough  
West Boylston  
West Brookfield  
Westford  
Westminster  
Winchendon  
Worcester

DEP Southeast Region  
20 Riverside Drive  
Lakeville, MA 02347  
Phone: (508) 946-2700  
Fax: (508) 947-6557  
TDD: (508) 946-2795



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Avon  
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Dennis  
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Duxbury  
Eastham  
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Fairhaven  
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Foxborough  
Franklin

Freetown  
Gay Head  
Gosnold  
Halifax  
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Hanson  
Harwich  
Kingston  
Lakeville  
Mansfield  
Marion  
Marshfield  
Mashpee

Mattapoisett  
Middleborough  
Nantucket  
New Bedford  
North Attleborough  
Norton  
Norwell  
Oak Bluffs  
Orleans  
Pembroke  
Plainville  
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Raynham  
Rehoboth  
Rochester  
Rockland  
Sandwich  
Scituate  
Seekonk  
Sharon  
Somerset  
Stoughton  
Swansea  
Taunton

Tisbury  
Truro  
Wareham  
Wellfleet  
West Bridgewater  
Westport  
West Tisbury  
Whitman  
Wrentham  
Yarmouth

DEP Northeast Region  
1 Winter Street  
Boston, MA 02108  
Phone: 617-654-6500



Amesbury  
Andover  
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Brookline  
Burlington  
Cambridge  
Canton  
Carlisle

Chelmsford  
Chelsea  
Cohasset  
Concord  
Danvers  
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Framingham  
Georgetown  
Gloucester  
Groveland  
Hamilton  
Haverhill

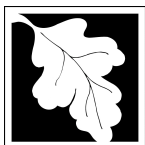
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Lynn  
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Marblehead  
Medfield  
Medford  
Melrose

Merrimac  
Methuen  
Middleton  
Millis  
Milton  
Nahant  
Natick  
Needham  
Newbury  
Newburyport  
Newton  
Norfolk  
North Andover  
North Reading  
Norwood  
Peabody

Quincy  
Randolph  
Reading  
Revere  
Rockport  
Rowley  
Salem  
Salisbury  
Saugus  
Sherborn  
Somerville  
Stoneham  
Sudbury  
Swampscott  
Tewksbury  
Topsfield

Wakefield  
Walpole  
Waltham  
Watertown  
Wayland  
Wellesley  
Wenham  
West Newbury  
Weston  
Westwood  
Weymouth  
Wilmington  
Winchester  
Winthrop  
Woburn





# Massachusetts Department of Environmental Protection

## LES 02 EA

### Application for Initial Certification of Laboratory for Environmental Analysis - Chemistry

Transmittal Number \_\_\_\_\_

Laboratory ID (if known) \_\_\_\_\_

Tax ID Number (FEIN) \_\_\_\_\_

#### A. Laboratory Information

Please type or print in ink. Each question must be answered completely and truthfully.

Please return application forms to:

Director, Laboratory Approval Program  
Massachusetts Department of Environmental Protection  
Wall Experiment Station  
37 Shattuck St.  
Lawrence, MA 01843

#### Important:

When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.



Laboratory Name \_\_\_\_\_

Street Address \_\_\_\_\_

City/Town \_\_\_\_\_

State \_\_\_\_\_

Zip Code \_\_\_\_\_

Mailing address (if different from above) \_\_\_\_\_

City/Town \_\_\_\_\_

State \_\_\_\_\_

Zip Code \_\_\_\_\_

Telephone Number \_\_\_\_\_

FAX Number \_\_\_\_\_

E-Mail Address \_\_\_\_\_

Web Address \_\_\_\_\_

#### Type of Laboratory

☐ Government

☐ Federal

☐ Local

☐ Water District

☐ State

☐ Country

☐ Private

☐ Academic

**Name(s) of laboratory owner(s)** - Please list all owners including private individuals, corporations or government entities.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

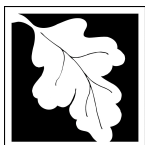
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#### Hours of Operation:

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
From:	_____	_____	_____	_____	_____	_____	_____
To:	_____	_____	_____	_____	_____	_____	_____



Massachusetts Department of Environmental Protection

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## Application for Initial Certification of Laboratory for Environmental Analysis - Chemistry

Transmittal Number

Laboratory ID (if known)

Tax ID Number (FEIN)

### B. Personnel Information (This form may be duplicated before completion)

Name

Title

☐ Laboratory Director

☐ Laboratory Supervisor

☐ Inorganic Chemistry

☐ Inorganic Chemistry incl. AA

☐ Inorganic Chemistry incl. ICP

☐ Other:

☐ Organic Chemistry

☐ Organic Chemistry incl. GC

☐ Organic Chemistry incl. GC/MS

If Other, Please Specify

☐ Instrumentation Analyst

☐ GC/MS

☐ ICP

☐ Analyst

#### Education

Academic Institution	Major	Total Semester Credit Hrs.		Degree, Diploma or Certificate
		Chemistry	Microbiology	
		Chemistry	Microbiology	
		Chemistry	Microbiology	

#### Environmental Analysis Experience (begin with current position):

Name & Address of Lab or Institution	Employed from (Mo/Yr) to (Mo/Yr)	Position Held	Area of Specialization/mos (Inorganic, ICP, Organic Chemistry, etc.)

#### Other certificates, specialized training, etc.



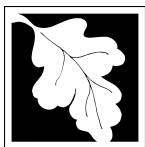
## Transmittal Number

Laboratory ID (if known)

Tax ID Number (FEIN)

### Description

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Massachusetts Department of Environmental Protection

# LES 02 EA

## Application for Initial Certification of Laboratory for Environmental Analysis - Chemistry

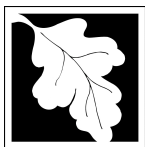
Transmittal Number

Laboratory ID (if known)

Tax ID Number (FEIN)

### D. Laboratory Equipment and Instrumentation

Item	No. of Units	Manufacturer	Model	Age
Analytical Balance				
Top-loader balance				
Refrigerator				
Drying Oven				
Source of Distilled or Deionized Water				
Hot Plate				
Magnetic Stirrer				
Glassware				
Conductivity Meter				
pH Meter				
Thermometer				
Water baths				



Massachusetts Department of Environmental Protection

# LES 02 EA

## Application for Initial Certification of Laboratory for Environmental Analysis - Chemistry

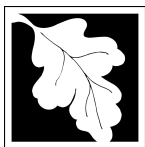
Transmittal Number

Laboratory ID (if known)

Tax ID Number (FEIN)

### D. Laboratory Equipment and Instrumentation (cont.)

Item	No. of Units	Manufacturer	Model	Age
Muffle Furnace				
Spectrophotometers				
Atomic Absorption Spectrophotometers				
Gases				
Burner				
Hollow Cathode Lamps				
Graphite Furnace				
Background Corrector				
Hydride Generator				
Readout System				
Inductively Coupled Plasma Emission Spectrophotometer				



# LES 02 EA

## Application for Initial Certification of Laboratory for Environmental Analysis - Chemistry

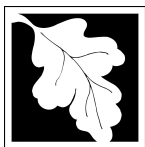
Transmittal Number

Laboratory ID (if known)

Tax ID Number (FEIN)

### D. Laboratory Equipment and Instrumentation (cont.)

Item	No. of Units	Manufacturer	Model	Age
ICP/MS				
Filter Photometer				
Specific Ion Meter				
Electrodes				
Ion Chromatograph				
Mercury Analyzer				
Arsine Generator				
Pipets and Tips				
Gas Chromatograph				
GC Detectors				
Gas Chromatograph/Mass Spectrometer				



Massachusetts Department of Environmental Protection

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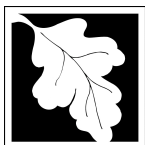
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### D. Laboratory Equipment and Instrumentation (cont.)

Item	No. of Units	Manufacturer	Model	Age
Purge and Trap System				
Infrared Spectrophotometer				
Liquid Chromatograph				
Centrifuge				
Counting Room (separate from wet chemistry, sample and standards preparation area)				
Infrared Lamp				
Dessicator				
Fluorometer				
Thin Window Gas-Flow Proportional Counter				
Windowless Gas-Flow Proportional Counter				



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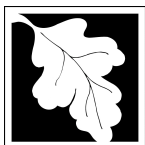
Laboratory ID (if known) \_\_\_\_\_

Tax ID Number (FEIN) \_\_\_\_\_

### D. Laboratory Equipment and Instrumentation (cont.)

Item	No. of Units	Manufacturer	Model	Age
Low Background Alpha & Beta Counter	_____	_____	_____	_____
Liquid Scintillation Counter	_____	_____	_____	_____
Alpha Scintillation Counter	_____	_____	_____	_____
Radon Gas-Counting System	_____	_____	_____	_____
Gamma Spectrometer System	_____	_____	_____	_____
<b>Safety</b>				
Fire Extinguishers	_____	_____	_____	_____
Eye Protection	_____	_____	_____	_____
Protective Clothing	_____	_____	_____	_____
Respirators	_____	_____	_____	_____
Other	_____	_____	_____	_____





Massachusetts Department of Environmental Protection

# LES 02 EA

## Application for Initial Certification of Laboratory for Environmental Analysis - Chemistry

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### E. Certification

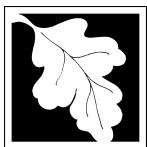
I certify the above information is true and accurate to the best of my knowledge.

Print Name

Authorized Signature

Date

Position/Title



Massachusetts Department of Environmental Protection  
**Supplemental Form to LES 02 EA**  
Areas for Certification and Certification Application Fees

Transmittal Number \_\_\_\_\_

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## A. Instructions

**Important:**

When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.



The initial certification fee is \$860 plus an amount for each certified testing category as indicated below. Please check the categories within each discipline and matrix for which you are requesting certification and indicate the method(s) to be employed.

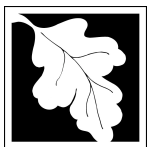
## B. Potable Water

Method No. and Reference Fee

Chemistry

<input type="checkbox"/> Metals		\$190*
<input type="checkbox"/> Antimony		
<input type="checkbox"/> Arsenic		
<input type="checkbox"/> Barium		
<input type="checkbox"/> Beryllium		
<input type="checkbox"/> Cadmium		
<input type="checkbox"/> Chromium		
<input type="checkbox"/> Copper		
<input type="checkbox"/> Lead		
<input type="checkbox"/> Mercury		
<input type="checkbox"/> Nickel		
<input type="checkbox"/> Selenium		
<input type="checkbox"/> Thallium		
<input type="checkbox"/> (Other)		
<input type="checkbox"/> Nitrate-N		\$55*
<input type="checkbox"/> Nitrite-N		\$45
<input type="checkbox"/> Fluoride		\$55*
<input type="checkbox"/> Sodium		\$55*

\* Only one fee is paid if lab is certified in only Potable Water or only Non-Potable Water for that analyte or in both Potable and Non-Potable Water for that analyte. For example, if a lab is certified in both Potable and Non-Potable metals, the fee for metals is \$140, not \$280.



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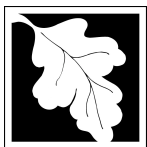
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**B. Potable Water (cont.)**

\* Only one fee is paid if lab is certified in only Potable Water or only Non-Potable Water for that analyte or in both Potable and Non-Potable Water for that analyte. For example, if a lab is certified in both Potable and Non-Potable metals, the fee for metals is \$140, not \$280.

	Method No. and Reference	Fee
<input type="checkbox"/> Bromate	_____	no fee
<input type="checkbox"/> Chlorite	_____	no fee
<input type="checkbox"/> Sulfate	_____	\$45*
<input type="checkbox"/> Cyanide	_____	\$75*
<input type="checkbox"/> Turbidity	_____	\$30
<input type="checkbox"/> Residual Free Chlorine	_____	\$30*
<input type="checkbox"/> Corrosivity Series	_____	
<input type="checkbox"/> Calcium	_____	\$55*
<input type="checkbox"/> Total Alkalinity	_____	\$35*
<input type="checkbox"/> Total Dissolved Solids	_____	\$35*
<input type="checkbox"/> pH	_____	\$15*
<input type="checkbox"/> Langelier Index	_____	
<input type="checkbox"/> Polychlorinated Biphenyls	_____	\$90
<input type="checkbox"/> Herbicides	_____	\$90
<input type="checkbox"/> 2,4-D	_____	
<input type="checkbox"/> 2,4,5-TP (silvex)	_____	
<input type="checkbox"/> Dalapon	_____	
<input type="checkbox"/> Dinoseb	_____	
<input type="checkbox"/> Pentachlorophenol	_____	
<input type="checkbox"/> Picloram	_____	
<input type="checkbox"/> Pesticides	_____	\$90
<input type="checkbox"/> Alachlor	_____	
<input type="checkbox"/> Atrazine	_____	
<input type="checkbox"/> Chlordane	_____	



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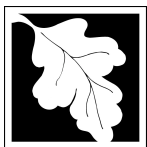
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**B. Potable Water (cont.)**

\* Only one fee is paid if lab is certified in only Potable Water or only Non-Potable Water for that analyte or in both Potable and Non-Potable Water for that analyte. For example, if a lab is certified in both Potable and Non-Potable metals, the fee for metals is \$140, not \$280.

	Method No. and Reference	Fee
<input type="checkbox"/> Endrin	_____	
<input type="checkbox"/> Heptachlor	_____	
<input type="checkbox"/> Heptachlor Epoxide	_____	
<input type="checkbox"/> Hexachlorobenzene	_____	
<input type="checkbox"/> Hexachlorocyclopentadiene	_____	
<input type="checkbox"/> Lindane	_____	
<input type="checkbox"/> Methoxychlor	_____	
<input type="checkbox"/> Simazine	_____	
<input type="checkbox"/> Toxaphene	_____	
<input type="checkbox"/> Carbamates	_____	\$75
<input type="checkbox"/> Aldicarb	_____	
<input type="checkbox"/> Aldicarb Sulfone	_____	
<input type="checkbox"/> Aldicarb Sulfoxide	_____	
<input type="checkbox"/> Carbofuran	_____	
<input type="checkbox"/> Vydate	_____	
<input type="checkbox"/> Extractable Organic Compounds		
<input type="checkbox"/> Polynuclear Aromatics	_____	\$90
<input type="checkbox"/> Adipates/Phthalates	_____	\$75
<input type="checkbox"/> Trihalomethanes	_____	\$60
<input type="checkbox"/> Volatile Organic Compounds	_____	\$115*
<input type="checkbox"/> 1,2-Dibromo-3-chloropropane and 1,2-Dibromoethane	_____	\$60
<input type="checkbox"/> Haloacetic Acids	_____	no fee
<input type="checkbox"/> Asbestos	_____	\$75



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**B. Potable Water (cont.)**

	Method No. and Reference	Fee
Radiochemistry		
<input type="checkbox"/> Gross alpha and gross beta	_____	\$40
<input type="checkbox"/> gross alpha	_____	
<input type="checkbox"/> gross beta	_____	
<input type="checkbox"/> Strontium-89 and Strontium-90	_____	\$60
<input type="checkbox"/> Radium-226 and Radium-228	_____	\$50
<input type="checkbox"/> Radium-226	_____	
<input type="checkbox"/> Radium-228	_____	
<input type="checkbox"/> Tritium	_____	\$50
<input type="checkbox"/> Uranium	_____	\$50
<input type="checkbox"/> Iodine-131	_____	\$50
<input type="checkbox"/> Cesium-134 and Cesium-137	_____	\$50
<input type="checkbox"/> Cobalt-60	_____	\$60
<input type="checkbox"/> Ruthenium-106	_____	\$50
<b>SUBTOTAL</b>		_____
<b>Fees: Potable Water</b>		_____

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**C. Non-Potable Water**

Chemistry	Method No. and Reference	Fee
<input type="checkbox"/> Metals		\$190*
<input type="checkbox"/> Aluminum	_____	
<input type="checkbox"/> Antimony	_____	
<input type="checkbox"/> Arsenic	_____	
<input type="checkbox"/> Beryllium	_____	



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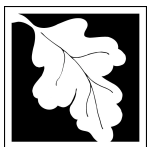
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**C. Non-Potable Water (cont.)**

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	Method No. and Reference	Fee
<input type="checkbox"/> Cadmium	_____	
<input type="checkbox"/> Chromium	_____	
<input type="checkbox"/> Cobalt	_____	
<input type="checkbox"/> Copper	_____	
<input type="checkbox"/> Iron	_____	
<input type="checkbox"/> Lead	_____	
<input type="checkbox"/> Manganese	_____	
<input type="checkbox"/> Mercury	_____	
<input type="checkbox"/> Molybdenum	_____	
<input type="checkbox"/> Nickel	_____	
<input type="checkbox"/> Selenium	_____	
<input type="checkbox"/> Silver	_____	
<input type="checkbox"/> Strontium	_____	
<input type="checkbox"/> Thallium	_____	
<input type="checkbox"/> Titanium	_____	
<input type="checkbox"/> Vanadium	_____	
<input type="checkbox"/> Zinc	_____	
 <input type="checkbox"/> Minerals	 _____	
<input type="checkbox"/> pH	_____	\$15*
<input type="checkbox"/> Specific Conductivity	_____	\$30
<input type="checkbox"/> Total Dissolved Solids	_____	\$35*
<input type="checkbox"/> Total Hardness (CaCO <sub>3</sub> )	_____	\$30
<input type="checkbox"/> Calcium	_____	\$55*



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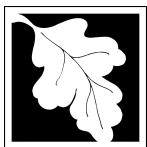
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**C. Non-Potable Water (cont.)**

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	Method No. and Reference	Fee
<input type="checkbox"/> Magnesium	_____	\$45
<input type="checkbox"/> Sodium	_____	\$55*
<input type="checkbox"/> Potassium	_____	\$45
<input type="checkbox"/> Total Alkalinity	_____	\$35*
<input type="checkbox"/> Chloride	_____	\$30
<input type="checkbox"/> Fluoride	_____	\$55*
<input type="checkbox"/> Sulfate	_____	\$45*
<input type="checkbox"/> Nutrients	_____	
<input type="checkbox"/> Ammonia-N	_____	\$60
<input type="checkbox"/> Nitrate-N	_____	\$55*
<input type="checkbox"/> Kjeldahl-N	_____	\$60
<input type="checkbox"/> Orthophosphate	_____	\$60
<input type="checkbox"/> Total Phosphorus	_____	\$60
<input type="checkbox"/> Demand	_____	
<input type="checkbox"/> Chemical Oxygen Demand	_____	\$30
<input type="checkbox"/> Biochemical Oxygen Demand	_____	\$45
<input type="checkbox"/> Total Organic Carbon	_____	\$30
<input type="checkbox"/> Total Cyanide	_____	\$75*
<input type="checkbox"/> Non-Filterable Residue	_____	\$30
<input type="checkbox"/> Total Residual Chlorine	_____	\$30*
<input type="checkbox"/> Oil and Grease	_____	\$45
<input type="checkbox"/> Total Phenolics	_____	\$45
<input type="checkbox"/> Volatile Organics	_____	\$115*
<input type="checkbox"/> Volatile Halocarbons	_____	



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**C. Non-Potable Water (cont.)**

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	Method No. and Reference	Fee
<input type="checkbox"/> Volatile Aromatics	_____	
<input type="checkbox"/> Organochlorine Pesticides	_____	\$90
<input type="checkbox"/> Chlordane	_____	
<input type="checkbox"/> Aldrin	_____	
<input type="checkbox"/> Dieldrin	_____	
<input type="checkbox"/> DDD	_____	
<input type="checkbox"/> DDE	_____	
<input type="checkbox"/> DDT	_____	
<input type="checkbox"/> Heptachlor	_____	
<input type="checkbox"/> Heptachlor Epoxide	_____	
<input type="checkbox"/> Polychlorinated Biphenyls (water)	_____	\$90
<input type="checkbox"/> Polychlorinated Biphenyls (oil)	_____	\$90

**SUBTOTAL** \_\_\_\_\_  
**Fees: Non-Potable Water** \_\_\_\_\_  
**SUBTOTAL** \_\_\_\_\_  
**Fees: Potable Water** \_\_\_\_\_  
**Initial Certification Fee** **\$860** \_\_\_\_\_  
**TOTAL** \_\_\_\_\_  
**FEES** \_\_\_\_\_

**D. Certification**

I certify the above information is true and accurate to the best of my knowledge.

\_\_\_\_\_  
Print Name

\_\_\_\_\_  
Authorized Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Position/Title